

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant(s): William Herz
Assignee: ZiLOG, Inc.
Title: Method And Apparatus For Updating Universal Remote Databases Through TV VBI Processing
Serial No.: 09/484,088 Filing Date: January 18, 2000
Examiner: Group Art Unit: 2735
Docket No.: M-12658 US

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COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Technology Center 2600

SUBSTITUTE POWER OF ATTORNEY BY ASSIGNEE

Sir:

The above-identified assignee, a Delaware corporation, hereby revokes all powers of attorney previously given and appoints the attorney(s) and/or agent(s) identified by the following Customer Number to prosecute the above-identified application and to transact all business in the United States Patent and Trademark Office in connection therewith:

Customer Number 27869



27869

PATENT TRADEMARK OFFICE

Please direct all telephone calls to:

Gerald P. Parsons
Telephone No.: 415/217-6000
Fax No.: 414/434-0646

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified assignee.

LAW OFFICES OF
SKJERVEN MORRILL
MacPHERSON LLP

25 METRO DRIVE
SUITE 700
SAN JOSE, CA 95110
(408) 453-9200
FAX (408) 453-7979

Date

3.18.02
Name: John H. Cosier

Title: Associate General Counsel



THE UNITED STATES PATENT AND TRADEMARK OFFICE

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CERTIFICATE FOR TAKING ACTION BY
ASSIGNEE UNDER 37 CFR 3.73(b)

Sir:

The undersigned representative of the above-identified assignee certifies that the above-identified assignee is the assignee of the entire right, title and interest in the above-identified patent application by virtue of a chain of title from the inventor of the above-identified patent application to the above-identified assignee as shown below:

1. From: William Herz To ZiLOG, Inc. The document was recorded in the Patent and Trademark Office at Reel 010518, Frame 0616, or for which a copy thereof is attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-signed assignee.

I declare that all statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, and all statements made herein are made with the knowledge that whoever, in any matter within the jurisdiction of the Patent and Trademark Office, knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain

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FAX (408) 453-7979

any false, fictitious or fraudulent statement or entry, shall be subject to the penalties including fine or imprisonment or both as set forth under 18 U.S.C. 1001, and that violations of this paragraph may jeopardize the validity of the application or this document, or the validity or enforceability of any patent, trademark registration, or certificate resulting therefrom.

Signature:  Date: 3.18.02

Name: John H. Cosier

Title: Associate General Counsel

02-04-2000

et No.: ZILG-P001

RECORDATION COVER**NT**

101259371

The Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Please record the attached original documents or copy thereof.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1. Name of conveying party:

Inventor (s): Herz, William

Serial No: (Not yet assigned)

Filed: 1-18-00

Execution Date:

12-1-99

Group Art Unit: (Not yet assigned)

Examiner: (Not yet assigned)

2. Name and Address of

Receiving party: ZILOG, INC.

910 EAST HAMILTON AVENUE, CAMPBELL, CA 95008

3. Nature of Conveyance: Assignment

4. Patent Application(s) / Patent Number(s): (not yet assigned)

New Patent Application Entitled:

**METHOD AND APPARATUS FOR UPDATING UNIVERSAL REMOTE DATABASES
THROUGH TV VBI PROCESSING.**

5. Name and address of party to whom correspondences concerning document should be mailed:

Name: DENNIS S. FERNANDEZ, ESQ.

Address: FERNANDEZ & ASSOCIATES, LLP

PATENT ATTORNEYS

PO BOX D

MENLO PARK, CA 94026-6204

PHONE: (650) 325-4999 FAX: (650) 325-1203

EMAIL: iploft@iploft.com**RECEIVED****APR 08 2002****Technology Center 2600**

6. Total Number of applications and patents involved: ONE

7. Fee Calculation

Assignment Recordation Fee \$40.00

Total Fees (37 CFR 3.41): \$690.00 X Enclosed~~\$730.00~~

Authorized to be charged to Deposit Account

8. Deposit Account Number:

In case Applicant inadvertently miscalculated any required fee, the Commissioner is hereby authorized to charge the necessary additional amount associated with this communication or credit any overpayment to Deposit Account No: 500482088. A duplicate copy of this authorization is enclosed.

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

DENNIS S. FERNANDEZ, ESQ.

Reg. No. 34,160

Date: 1/18/00

02/01/2000 PALLAN

02 FC:581

Jc135 U.S. PTO

09/484088





UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APRIL 11, 2000

PTAS

FERNANDEZ & ASSOCIATES, LLP
DENNIS S. FERNANDEZ, ESQ.
P.O. BOX D
MENLO PARK, CA 94026-6204



101259371A

REC'D APR 20 2000

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/18/2000

REEL/FRAME: 010518/0616
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
HERZ, WILLIAM

DOC DATE: 12/01/1999

ASSIGNEE:
ZILOG, INC.
910 EAST HAMILTON AVENUE
CAMPBELL, CALIFORNIA 95008

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APR 08 2002

SERIAL NUMBER: 09484088
PATENT NUMBER:

FILING DATE:
ISSUE DATE:

Technology Center 2600

JOANN STEWART, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

ASSIGNMENT

Whereas, I, **WILLIAM HERZ**, having agreed to assign the below identified invention to **ZILOG INC.** ("**ZILOG**"), a **DELAWARE** corporation having its principal place of business at **910 EAST HAMILTON AVENUE, CAMPBELL, CA 95008** for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign, and transfer unto **ZILOG**, its successors and assigns, the entire right, title, and interest, including the right of priority in, to and under an application for Letters Patents of the United States entitled:

**METHOD AND APPARATUS FOR UPDATING UNIVERSAL
REMOTE DATABASES THROUGH TV VBI PROCESSING**

 X filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or

Serial No.: _____, filed on _____ and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

And for the above consideration, we agree promptly upon request of **ZILOG**, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional, or reissue, or other papers which may be necessary or desirable fully to secure to **ZILOG**, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent.

Inventor's Signature: William Herz Date: 12-1-99
WILLIAM HERZ